IAD Top Technology Challenges

2014

1. Resiliency – Resilient Architecture and Operations

2. Automated Risk Detection-monitoring Heuristic / Behavioral – Large scale / Real-time / Multi-domain

3. Automated Risk Mitigation

4. Usability – Transparent Security

5. Cloud – Store Sensitive Government Data Searchable and Usable on Public Clouds

6. Detection and Response Mechanisms for Insiders (Timely, Fine-grained)

7. Leverage Classified Knowledge/Signatures in a Host-based System

8. Mobility – Hardware RoT, SEAndroid, Secure boot, Secure Baseband

9. Security for Cloud User Environments – Thick / Thin Client, Virtualization

10. Engineering, Testing, and Operating Secure Composite Systems

11. Establishing and Maintaining Assurance in Heterogeneous, Mobile and Cloud Environments

Confidence in Cyberspace